FINAL REPORT

Grant NAG8–052

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The role of XUV irradiation as a method of heat transport throughout the lower solar atmosphere in solar flares has been critically assessed (see, e.g. Machado, Emslie, and Avrett 1989, *Solar Physics*, **124**, 303, and references therein). Properties of solar microflares have been determined, and their similarities and differences to flares and subflares noted. The theoretical implications of these results are being explored at the present time.

For further details, refer to the appropriate quarterly reports.